

## ***Mimulus jungermannioides*** Suksdorf

liverwort monkey-flower  
Scrophulariaceae (Figwort Family)

**Status:** State Possibly Extirpated, USFWS Species of Concern

**Rank:** G2SH

**General Description:** Low, spreading, rhizomatous perennial typically growing on moist rock walls. Stems 2-12 inches long. Herbage with long soft hairs, sticky. Leaves opposite, palmately veined, somewhat heart or kidney shaped with small teeth along the margins. Flowers on long stalks extending above the leaves, yellow with some red dots.

**Identification Tips:** Similar to other members of the genus, including *M. moschatus* and *M. floribundus*. *M. moschatus* has ovate to lance-ovate leaves rather than broadly ovate leaves; *M. floribundus* is an erect to subprostrate annual rather than a prostrate, spreading perennial. Additionally, its leaves are narrower than those of *M. jungermannioides* and mostly deltoid-ovate rather than reniform-cordate.

**Phenology:** This species blooms from May to late August (as long as there is water present).

**Range:** The species is known from Gilliam, Sherman, Umatilla and Wasco counties in Oregon and historically from Klickitat County, WA in the Columbia Basin physiographic province.

**Habitat:** The species occurs in basalt crevices in seepage zones in vertical cliff faces and canyon walls. Associates include fragile fern (*Cystopteris fragilis*), stream saxifrage (*Saxifraga arguta*), lava alumroot (*Heuchera cylindrica*), cutleaf ladysfoot mustard (*Thelypodium laciniatum*), mock-orange (*Philadelphus lewisii*), poison oak (*Rhus radicans*), and hackberry (*Celtis reticulata*). The plant has been collected from elevations ranging from 500 to 3300 feet.

**Ecology:** The species is dependent upon adequate seepage. It has a fragile root system and may therefore be easily affected by disturbance. There is very little vegetation on most of the cliffs within its range. However, a number of weedy species have invaded the seeps and may pose a competitive problem for the taxon.

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Known distribution of  
*Mimulus*  
*jungermannioides*  
in Washington



● Current (1980+)  
○ Historic (older than 1980)

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WNHP



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**State Status Comments:** The species was historically known from the WA side of the Columbia River. A sighting of the plant on the WA side was made in the early 1990s, but the location and presence of the species need to be confirmed.

**Inventory Needs:** Inventory of appropriate habitat in Klickitat County is needed.

**Threats and Management Concerns:** The decrease or elimination of water seepage is a major threat, whether the cause is natural, related to agricultural development, road construction, or over-grazing. Populations in Oregon have been destroyed by road construction. Logging and mining are also threats.

**References:**

Hitchcock, C.L., A. Cronquist, M. Ownbey, and J.W. Thompson. 1959. *Vascular Plants of the Pacific Northwest, Part 4: Ericaceae through Campanulaceae*. University of Washington Press, Seattle. 510 pp.

Jolley, R. 1988. *Wildflowers of the Columbia Gorge: A Comprehensive Field Guide*. Oregon Historical Society Press. Portland, Oregon. 331 pp.